



6-7-04

PATENT

Docket No.: 1012-003
Express Mail Label No. EV 401943894 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Kyusik Sin, et al. : Confirmation No.: 2190
Serial No.: 09/943,859 : Art Unit: 2652
Filed: 8/30/2001 : Examiner: Tianjie Chen
For: SPIN-DEPENDENT
TUNNELING
READ/WRITE SENSOR
FOR HARD DISK
DRIVES

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JUN 15 2004

Technology Center 2600

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE /AMENDMENT

Sir/Madam:

The following Amendment and Remarks are submitted in response to the Office Action mailed 2/4/2004, following the amendment format set forth under 37 CFR §1.121. After this introductory section, there are Amendments to the Specification, Amendments to the Claims, and then Remarks, each starting on a separate page.

Amendments to the Specification consist of amendments for page 6. Amendments to the Claims consist of amendments for claims 1, 3, 6, 11, 13, and 16, which are incorporated in a complete listing of the claims.

A substitute specification for the originally filed specification is also submitted.